

50-261

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FILE NUMBER
INCIDENT REPORT

TO:

Mr. Norman C. Moseley

FROM:

Carolina Power & Light Company
Raleigh, North Carolina
H. R. Banks

DATE OF DOCUMENT

4/7/77

DATE RECEIVED

4/26/77

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

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1 SIGNED

DESCRIPTION

Ltr. trans the following:

PLANT NAME:

(1-P)

(3-P)

H. B. Robinson Unit No. 2

RJL

ENCLOSURE

Licensee Event Report (RO 50-261/77-5) on
3/24/77 concerning the containment spray
pump "A" not being in service while taking
the plant from hot shutdown to criticality...NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

BRANCH CHIEF:

Reid

W/3 CYS FOR ACTION

LIC. ASST.:

Ingram

W/1 CYS

ACRS 16 CYS HOLDING/SENT

AS CAT B

INTERNAL DISTRIBUTION

☒ REG FILE

NRC PDR

I & E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

CASE

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: Hartsuiler, SC

TIC:

NSIC:

CONTROL NUMBER

7717 0119



Carolina Power & Light Company

April 7, 1977

FILE: NG-3516 (R)

SERIAL: NG-77-411

Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 818
230 Peachtree Street, N.W.
Atlanta, Georgia 30303

Regulatory

FILE CYB

Dear Mr. Moseley:

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 77-5

In accordance with Section 6.9.2.a of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the attached Licensee Event Report is submitted. This report fulfills the requirement for a written report within fourteen (14) days of a reportable occurrence and is in accordance with the format set forth in Regulatory Guide 1.16, Revision 4.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

CSB:kjd

Attachment

cc: Messrs. W. G. McDonald
E. Volgenau



LICENSEE EVENT REPORT

CONTROL BLOCK:

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1 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE
NAME

LICENSE NUMBER

LICENSE
TYPE

EVENT
TYPE

0	1	S	C	H	B	R	2	0	0	-	0	0	0	0	-	0	0	4	1	1	1	0	0	1	1
7	8	9					14	15									25	26					30	31	32

01		CON'T		CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER				EVENT DATE				REPORT DATE							
7	8	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
				T	L	0	5	0	-	0	2	6	1	0	3	2	4	7	7	0	4	0	7	7	7

EVENT	DESCRIPTION
1	10/10/1968
2	10/10/1968
3	10/10/1968
4	10/10/1968
5	10/10/1968
6	10/10/1968
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99	10/10/1968
100	10/10/1968

02	While taking the plant from hot shutdown to criticality, the containment spray pump	80
03	"A" was not in service. It had been removed from service to facilitate radiographic	80
04	testing. Pump "B" remained in service. This is a violation of Technical Specifica-	80
05	tion 3.3.2.1.b and d. requiring both pumps operable while the plant is brought	80
06	critical. "A" pump was subsequently returned to service. (HBR2 RO 77-5)	80
	ME Non-compliance	80

SYSTEM CODE		CAUSE CODE	COMPONENT CODE					COMPONENT SUPPLIER	COMPONENT MANUFACTURER				NON-COMP			
0	7	S	B	A	P	U	M	P	X	X	Z	Z	9	9	9	Y
7	8	9	10	11	12					17	43	44				48

CAUSE DESCRIPTION

08 Operations personnel had (without violation) removed containment spray pump "A" from 80
7 8 9
09 service to facilitate RT of portions of containment spray piping. Subsequent shutdown 80
7 8 9
10 to subcriticality and bringing plant again to criticality violated criteria 80
7 8 9 for minimum equipment for criticality. METHOD OF

FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
11	Z	0	0	0	N/A		A	N/A		
7	8	9	10	11	12	13	44	45	46	80

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
1	2	Z	N/A	N/A
7	8	9	10	11
				44
				45
				80

PERSONNEL EXPOSURES

NUMBER			TYPE	DESCRIPTION
1	3		7	N/A

PERSONNEL INJURIES

NUMBER				DESCRIPTION
1	4	0	0	N/A

OFFSITE CONSEQUENCES

1	5	N/A		80
7	8	9		

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION
1	6	N/A

PUBLICITY

17	N/A
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ADDITIONAL FACTORS

	N/A	
7 8 9		80

19 789 80

NAME: J. B. McGirt

PHONE: (883) 332-1351

Supplementary Information for
Reportable Occurrence 77-5

1. Report No.: 50-261/77-5
- 2a Report Date: April , 1977
- 2b. Occurrence Date: March 24, 1977
3. Facility: H. B. Robinson Unit No. 2, Hartsville, South Carolina 29550
4. Identification of Occurrence: At 0220 hrs. on March 24, 1977, "A" containment spray pump was removed from service per Operating Work Permit (OWP CS-3) to drain a portion of the containment spray piping. This action was taken to facilitate radiographic testing of portions of the piping. This pump was removed from service while the reactor was critical which is allowed by the Technical Specifications. However, the reactor was subsequently shutdown to subcriticality and again brought to criticality for training purposes. Criticality was achieved at 0318 hrs. on March 24, 1977, with the containment spray pump still out of service. Taking the reactor critical with this pump out of service was a violation of Technical Specification 3.3.2.1.b and d. and constitutes a reportable occurrence in accordance with Technical Specification 6.9.2.a(2).
5. Conditions Prior to Occurrence: The plant was at zero power with the reactor being maintained critical. The secondary plant had been shutdown due to problems associated with the turbine E-H system. Preparations were being made to perform startup training subsequent to taking the plant subcritical. Personnel were performing radiographic testing (RT) of certain emergency systems piping, and preparations were being made to perform radiography on portions of the containment spray piping.
6. Description of Occurrence: Operating personnel were aware that the containment spray pump "A" had been taken out of service while the reactor was critical. They also were aware that this was in compliance with the Technical Specifications. It was decided to perform training startups while the opportunity was available. Performing the startup training required the reactor to be shutdown and again be brought to criticality. Operating personnel failed to recognize that "A" containment spray pump was still removed from service, and its operability was required prior to re-initiating criticality. (Technical Specification 3.3.2.1.b and d.)

7. Designation of Apparent Cause of Occurrence: The occurrence apparently was caused by an oversight of plant personnel in recognizing that the pump was still out of service when the reactor was again taken critical.
8. Analysis of Occurrence: The occurrence could have been avoided if the Technical Specification had been referenced both prior to removal of the "A" containment spray pump from service and prior to achieving criticality.
9. Corrective Action: Operations personnel will be instructed to review the applicable section of the Technical Specification regarding minimum equipment required for critical plant operation. The Equipment Out-of-Service Record will be attached to the Minimum Equipment (for Criticality) List for each shift to assure a comprehensive, up-to-date review of plant conditions is made prior to initiating a plant startup.